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NWS EARLE

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LETTER REGARDING THE TRANSMITTAL OF THE QUARTERLY REPORT FOR
REPORTING PERIOD OCTOBER THROUGH DECEMBER 2007 NWS EARLE NJ

1/24/2008

TETRA TECH NUS



TETRA TECH

PHIL-21804

January 24, 2008

Project Number 00772

Naval Facilities Engineering Command Mid - Atlantic
9742 Maryland Avenue
Norfolk, Virginia 23511-3095

Attn: Mr. Roberto Pagtalunan, P.E.

Reference: CLEAN Contract No N62472-03-0057
Contract Task Order (CTO) No. 401

Subject: Submission of Quarterly Report
Reporting Period October 2007 through December 2007
Naval Weapons Station Earle, Colts Neck, New Jersey

Dear Mr. Pagtalunan:

Tetra Tech NUS, Inc. (Tetra Tech) is pleased to submit the enclosed Quarterly Report for the Reporting Period October 2007 through December 2007. The report details the Installation Restoration Program (IRP) activities conducted at the Naval Weapons Station (NWS) Earle, Colts Neck, New Jersey during the subject period.

Per your request, copies of this report are being forwarded under cover of this letter to Ms. Jessica Mollin at EPA Region 2 and Mr. Steve Maybury at NJDEP.

Thank you for the opportunity to submit this document. Should you have any questions or require additional copies please do not hesitate to contact me.

Sincerely,

Mary M. Mang, CHMM
Environmental Project Manager

MMM/vh

Enclosure

c: Eric Helms (NWS Earle) (2 copies)
Jessica Mollin (EPA) (2 copies)
Steve Maybury (NJDEP) (3 copies)
Garth Glenn (Tetra Tech Norfolk)
John Trepanowski (Tetra Tech King of Prussia)
Bonnie Capito (NAVFAC Lant)
Lee Anne Rapp (NAVFAC Lant) (no enclosure)
File

Tetra Tech NUS, Inc.
234 Mall Boulevard, Suite 260, King of Prussia, PA 19406
Tel 610.491.9688 Fax 610.491.9645 www.ttnus.com

**Naval Weapons Station Earle
Colts Neck, New Jersey**

**Quarterly Report
Reporting Period October 1, 2007 through December 31, 2007**

This report details the Installation Restoration Program (IRP) activities conducted by the Navy during the period of October 1, 2007 through December 31, 2007 at the Naval Weapons Station (NWS) Earle located in Colts Neck, New Jersey.

SITE-WIDE

The Draft Second Year Five-Year Review Report was prepared during the reporting period and submitted to EPA and NJDEP for review on December 21, 2007. The report included a review of nine operating units (OUs) at the NWS Earle facility including Site 26, which is the subject of two OUs (OU 3 and OU 7). The OUs and sites included in the second five-year review are:

- OU 1 Site 4 - Landfill West of "D" Group
- OU 1 Site 5 - Landfill West of Army Barricades
- OU 2 Site 19 - Paint Chip and Sludge Disposal Area
- OU 3 Site 26 - Explosive "D" Washout Area
- OU 4 Site 20 - Grit Blasting Area at Building 544
- OU 4 Site 23 - Paint Disposal Area
- OU 4 Site 27 - Projectile Refurbishing Area
- OU 5 Site 13 - Defense Property Disposal Office Yard Landfill
- OU 6 Site 3 - Landfill Southwest of "F" Group
- OU 6 Site 10 - Scrap Metal Landfill
- OU 7 Site 26 - Site 26 PCE Plume
- OU 8 Site 1 - Ordnance Demilitarization Site
- OU 9 Site 6 - Landfill West of Normandy Road
- OU 9 Site 15 - Sludge Disposal Site
- OU 9 Site 17 - Landfill

The Draft Site Management Plan for Fiscal Years 2007 through 2011 for NWS Earle was submitted to the EPA and NJDEP on March 22, 2007. The Navy is currently awaiting comments from the agencies.

During the previous reporting period, the Navy's subcontractor Tetra Tech NUS, Inc. (Tetra Tech) updated and submitted to the Navy the NWS Earle IRP Site Summary document. The document provides a brief summary of each of the sites included in the Installation Restoration Program. In late November 2007, the Navy forwarded comments to Tetra Tech who is currently preparing a final document.

Work continued on preparation of the Groundwater Classification Exception Area (CEA) Biennial Review Report as required by the New Jersey Technical Requirements For Site Remediation (7:26E-8.6). The biennial review will address the following sites: Site 3 (OU 6), Site 4 (OU 1), Site 5 (OU 1), Site 10 (OU 6), Site 19 (OU 2), Site 16F, and Buildings R6/7/12. The Navy's subcontractor, Tetra Tech, submitted a request for a one-mile radius well search to the NJDEP on November 28, 2007. Upon receipt of the well search results, the biennial certification monitoring report will be finalized.

OPERATING UNIT 1 (SITES 4 and 5)

During the reporting period the Navy's subcontractor, ECOR Solutions, Inc. (ECOR) conducted the semiannual inspection and annual groundwater monitoring at Sites 4 and 5 in accordance with the long-term operations and maintenance (O&M) manual for OU 1. ECOR conducted groundwater sampling at Site 4 on October 23-24 and at Site 5 from October 25 through 29, 2007. ECOR conducted the O&M inspection of Site 4 on October 24, 2007; Site 5 was inspected by ECOR on October 30, 2007. Results from the groundwater monitoring will be summarized in the annual maintenance and monitoring report for the 2007 event.

OPERATING UNIT 2 (SITE 19)

During the reporting period the Navy's subcontractor, ECOR conducted the annual groundwater sampling at Site 19 on October 24-25, 2007 in accordance with the long-term monitoring work plan. Results from the groundwater monitoring will be summarized in the annual maintenance and monitoring report for the 2007 event.

OPERATING UNIT 3 (SITE 26)

Quarterly groundwater monitoring at Site 26 was conducted through 2005. Based on results from the quarterly sampling it was recommended in the March 2006 *Annual Report for Four Post-Operation Groundwater Sampling Rounds in 2005* that the monitoring frequency be reduced to once every 15 months for monitoring natural attenuation of site-related chlorinated hydrocarbons. The Navy's subcontractor ECOR conducted a round of groundwater sampling from August 8 through 15 for Site 26.

Results from the August 2007 sampling event are currently being summarized and will be evaluated by the Navy as part of an evaluation of the air sparging/soil vapor extraction system to determine if any further treatment is required.

The Addendum to the Draft Classification Exception Area (CEA) Documentation Report for Site 26 was submitted to NJDEP in November 2006. The report is currently under review by NJDEP.

OPERATING UNIT 5 (SITE 13)

During the reporting period the Navy's subcontractor, ECOR conducted the semiannual inspection and annual groundwater monitoring at Site 13 in accordance with the O&M user manual for OU 5. ECOR conducted groundwater sampling at Site 13 on October 26 and October 29-31, 2007. The O&M inspection of Site 13 was conducted on October 25, 2007. Results from the groundwater monitoring will be summarized in the annual maintenance and monitoring report for the 2007 event.

Additional copies of the Site 13 Operations and Maintenance Manual (June 2005) and CEA Investigation Report (June 2005) were forwarded to the NJDEP on March 9, 2007 and March 29, 2007. The reports are currently under review by NJDEP.

OPERATING UNIT 6 (SITES 3 and 10)

During the reporting period the Navy's subcontractor, ECOR conducted the semiannual inspection and annual groundwater monitoring at Sites 3 and 10 in accordance with the O&M user manual for OU 6. ECOR conducted groundwater sampling at Site 3 on October 22-25, 2007 and at Site 10 on October 22-23, 2007. The O&M inspection of Site 3 was conducted on October 24, 2007; Site 10 was inspected on October 23, 2007. Results from the groundwater monitoring will be summarized in the annual maintenance and monitoring report for the 2007 event.

OPERATING UNIT 7 (SITE 26 PCE PLUME)

No new activities were conducted during the reporting period for OU 7.

On March 23, 2007, Tetra Tech NUS, Inc. forwarded to the Navy and EPA replacement pages for the OU 7 Record of Decision. The NWS Earle Commanding Officer signed the Record of Decision and forwarded it to the EPA for final approval and signature on February 27, 2007. Following EPA review and some additional changes, EPA signature of the OU 7 ROD occurred on August 14, 2007.

At the request of the EPA on September 11, 2007, the Navy prepared calculations for determination of the volume of contaminated material addressed (VCMA) at OU 7. The Navy submitted the calculations and supporting documentation to EPA on September 18, 2007. Based on EPA review and comment, the Navy submitted revised calculations to EPA on September 20, 2007.

OPERATING UNIT 8 (SITES 1 and 11)

The Addendum to the Draft Classification Exception Area (CEA) Documentation Report for Site 1 was submitted to NJDEP in November 2006. The report is currently under review by NJDEP.

Site 11 is a no further action site.

OPERATING UNIT 9 (SITES 6, 12, 15, and 17)

The Addendum to the Draft Classification Exception Area (CEA) Documentation Report for Site 6 was submitted to NJDEP in November 2006. The report is currently under review by NJDEP.

The Addendum to the Draft Classification Exception Area (CEA) Documentation Report for Site 17 was submitted to NJDEP in November 2006. The report is currently under review by NJDEP.

On March 21, 2007, Tetra Tech NUS, Inc. forwarded to the Navy and EPA replacement page II-9 for the OU 9 Record of Decision. On June 14, 2007, the OU 9 Record of Decision was signed by the NWS Earle Commanding Officer and forwarded to the EPA for final approval and signature. However, during the reporting period EPA notified the Navy of several changes to the final document. Following discussion and review by both EPA and Navy representatives, the NWS Earle Commanding Officer and EPA signed the revised final OU 9 Record of Decision on September 28, 2007.

OPERATING UNIT 10 (SITE 7)

The Draft Feasibility Study for Site 7, Landfill South of "P" Barricades was submitted to EPA and NJDEP in July 2006. On July 17, 2007, NJDEP issued a letter to the Navy outlining their comments on the draft FS report. The report is currently under review by EPA. The Navy conducted no activities during the reporting period.

SITES 9, 41, and 46

During the reporting period, the Navy's subcontractor Tetra Tech prepared a draft Summary Document for Sites 9, 41, and 46 for Navy review and comment. As requested by the EPA, the summary document was prepared to review a request by the Navy for no further investigation and/or action at these sites.

SITE 16/EPIC SITE F (BUILDING C-50 DIESEL FUEL LINE)

The Final Bioslurper Status Report (September 2006 – November 2006), that outlines the quarterly monitoring results, was submitted to the NJDEP on March 1, 2007.

The Navy conducted a round of groundwater sampling on August 6-7, 2007.